April 18, 2013 9:52:39 AM Item ID: Revision ID: Item Name: Start Date: Required Date: 5/06/13 Reference: Approvals: Draw Nbr D2962 100 \*100\* Purchasing Purchasing

D2962-190

Accept

\*N900040100\*

Setup Start

Extrusion

4/18/13

oc.

**Start Qty: 55.00** Req'd Qty: 55.00

**Cust Item ID:** 

**Customer:** 

Date: 13/04/18 Tooling:

Date:

SPC (Y/N):

0.00

Date:

Run

QU.

Number

\_.amp

Work Celici, IL Description ..... doil. **Revision Nbr** Rev A 0.00 **PURCHASING** 

Memo

a) Extrude as per Dwg D2962 b) Material: 6061-T6 (QQ-A-200/8)

- c) Minimum yield tensile strength = 35 ksi d) Minimum ultimate tensile strength = 40 ksi
- e) Minimum elongation = 8%
- f) Order at 190" long
- g) Bon L Canada Inc. tool #

110

Receive & Inspect for Damage & Mat'l Certs

0.00

\*110\* Packaging

Memo

0.00

Packaging

Ensure material certification is attached

										1		DQA:	Date	9:	
NCR:	Yes	/ No				WORK ORDER NON-C	COI	NFORI\	MANCE / UPDAT	TE :		•		-	
			_						0.244	1	erincedt i	QA Closed:	Date	e:	al second of the second of
Work Ord	0.51					DISPOSITION				AGAINST	DEI	PARTMENT	/PROCESS		
Work Orde	er: _				<del></del>	Rework	1		Skid-tube C	rosstube			Water Jet	Water let 6	
Part No.				Scrap	1		<u></u>	Small Fab	<b></b>			╗	Engineering Quality		
			Use-as-is				Finishing			re/Packaging		Other			
NCR I	۷o.					Work Order Update	Large Fab Composite		omposite			Supplier			
												C: 0	·		
Root			Description of work order update		1	Initial	Action	i		Sign &		ł	OC Inchestor		
Cause		Date	Step	Qty	(	or Non-conformance	Ch	ief Eng	Descripti	on		Date	Verification	-	QC Inspector
Doc/Data	Ш									ì					
Equip/Tooling	Ш									ì					
Operator										1				İ	
Material										1					
Setup	$\vdash$			ĺ						1					
Other	$\sqsubseteq$									i					
Process	Щ		ļ							ı					
Supplier	Ш						1			:					
Training					-					:					
Unapproved			<u> </u>	<u> </u>	<u> </u>		<u> </u>		2004				<u> </u>		
					,,	······································	AUL	T CATE		<u>المراجعة</u> وفي أيا					
Landi	_				·:	General		la .	S. S. Barrell	*	<u> </u>		ŗ	-	Pressure/Forced
	-	Bending				Bend	-	Grain		!	-	Ovalized	+=\=====		Temperature/Cure
Centre Not Concentric to O/S			BOM/Route	-	Hardwa		į.		Over/Under	F		ł '			
	$\vdash$	Cracks			.	Broken/Damaged	ļ	4	on Incomplete	1	$\vdash$	Part Incorre			Weld
	_	Crushed/	Crimped.		_	Burrs	$\vdash$	-1	ions Incomplete/Uncl	ear ;	$\vdash$	Part Lost/M			Wrong Stock Pulled
		Contamination	<u> </u>	Mainte		ì	⊢	Part Moved							
		Countersink	<u></u>	Mislabe		}	<u> </u>	Positioned \	· ·		1 <sub>04</sub> ,				
	Inspection Strip in Tube			Cut Too Short	1	Misread	1	1		Power Loss/	'Surge [		Other		

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

\*100121\*

Page 2

April 18, 2013 9:52:39 AM D2962-190 Item ID: Accept \*N900040100\* Setup Start **Revision ID:** Item Name: Extrusion **Start Date:** 4/18/13 **Start Qty: 55.00 Cust Item ID: Req'd Qty:** 55.00 Required Date: 5/06/13 **Customer:** Reference: Run Process Plan: \_\_\_\_\_ Date: \_\_\_\_ **Approvals:** Tooling: QC: Date: SPC (Y/N): Date: Sequence 1D. Open (dica) Tool ID Tool# Pian Accept Reject Set Up/ Work Center it Description Code Qty Qty Number Stamp Run Hours 120 QC6- Inspect dimensions to drawing \*120\* QC Check Pull test per Dwg D2962 for compliance page attached. Check hardness Quality Control with Webster tester Identify as per dwg & Stock Location: Hall CE 130 Pull Oh + 20 Ms Pon on \*120\* Packaging 0.00 Packaging enspulm. 140 QC21- Final Inspection - Work Order Release 0.00 \*140\* 0.00 QC Memo Quality Control

NCR:	Yes	/	No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA:	Date:	
,		

									İ	QA Closed:	Date:	
Work Orde	er:					DISPOSITION			AGAINST D	EPARTMENT	/PROCESS	
	_	-				Rework	]	Skid-tube	Crosstube	7	Water Jet	Engineering
Part N	Part No.				Scrap	1 1	Machining	Small Fab	Pro	d. Eng. Coor.	Quality	
	-					Use-as-is	The	rmoforming	Finishing	Rec/Sto	re/Packaging	Other
NCR No.				Work Order Update	1 1	Large Fab	Composite		Supplier			
											·	
Root		- · · · <u>-</u>			Descri	ption of work order update	Initial	1	action	Sign &	<b>\</b>	
Cause		Date	Step	Qty	(	or Non-conformance	Chief Er	g Des	scription	Date	Verification	QC Inspector
Doc/Data	Щ								) :			
Equip/Tooling									. ;			
Operator												
Material	Ш								Ĵ		ĺ	
Setup	Ш								) :			
Other							}					
Process	Ш								i			
Supplier			İ						1			
Training									!			
Unapproved			l								<u> </u>	1
		·					AULT CA	EGORY	· i			
Landi						General	П.		! _	٦		٦, ,,
•	_	Bending				Bend	Grai		-	Ovalized	<u> </u>	Pressure/Forced
	$\vdash$	Centre No	ot Concer	ntric to	<sup>O/S</sup>	BOM/Route	Hard		-	Over/Under		Temperature/Cure
	—-	Cracks			-	Broken/Damaged	<b>—</b>	ction Incomplete	· + -	Part Incorre	<del>}</del>	Weld
	Crushed/Crimped.		Burrs	<b>—</b>	ictions Incomplete	e/Unclear	Part Lost/M	<u></u>	Wrong Stock Pulled			
	Cuffs			Contamination	<b>├</b> ─┤	tenance	; }-	Part Moved				
	Heat Treat			Countersink	$\vdash$	beled	<u> </u>	Positioned		Other		
	Inspection Strip in Tube		Cut Too Short	Misro		<u> </u>	Power Loss,	Jourge	Tottlei			
	Ripples in Bend			Drill Holes	Offse		1					
	Torque Waves in Extrusion			Drawing	<b>—</b>	of Calibration	1					
	Turning Sequence			Finish	$\vdash$	of Sequence	j					
	Wave/Twist in Tube			Folio	Jouts	de Dimensions						

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

#### Picklist Print

\*April 18, 2013 9:52:38 AM

Work Order ID:

100121

Parent Item:

D2962-190

Parent Item Name:

Extrusion

**Start Date:** 4/18/13

Required Date: 5/06/13

Page 1

Start Qty: 55.00

Required Qty: 55.00

**Comments:** 

IPP REV:A 13.04.17 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2962-190P	· · <del>-</del> ·· - <del>·····</del> · · ·	Purchased	No				Each	0.0000		55			+
Extrusion				*									

/4/3/4/30 CG

										1	DQA:	Date	e:		
NCR:	Yes	/ No				WORK ORDER NON-C	CON	FORM	MANCE / UPDATE	) 	QA Closed:	Date			
						DISDOSITION	T		ACAI	N'CT DE	PARTMENT,			g myth 100 man gang ar gan strip a legative and a	
Work Orde	er:					DISPOSITION			AGAI	M21 DE	PARTIVICINI	/PROCE33 _			
Part I	_					Rework Scrap Use-as-is		ı	Skid-tube Crosst  Machining Small  noforming Finis	Fab	i	Water Jet d. Eng. Coor. re/Packaging		Quality	
NCR i	No					Work Order Update	1		Large Fab Compo	, -	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Supplier			
Root				. /	Descri	ption of work order update	In	nitial	Action	i	Sign &				
Cause	l	Date	Step	Qty	(	or Non-conformance			Description	<u> </u>	Date	Verification		QC Inspector	
Doc/Data										: !					
Equip/Tooling	• •									1				•	
Operator	rator					• •		: L.							
Material				!						İ	<u> </u>	1			
Setup	Ш						ĺ		į						
Other	Ц								1						
Process	Ц						Ì		!				İ		
Supplier									!						
Training	Ш								i						
Unapproved				ļ			<u> </u>				<u>L</u>	<u> </u>			
					<del></del>		AULT	CATE	GORY						
Landi						General			i		1	Г	$\neg$		
		Bending				Bend	1	Grain	}	ļ	Ovalized	. , <b>-</b>		·	
	${oldsymbol{ iny{-}}}$	Centre No	ot Concer	ntric to	o/s	BOM/Route	$\vdash$	Hardwa	1		Over/Under		_	•	
		Cracks			<u> </u>	Broken/Damaged	$\vdash$		ion Incomplete ;	<u> </u>	Part Incorre	<u>+</u>			
Crushed/Crimped.			Burrs	-		tions Incomplete/Unclear	-	Part Lost/M	L	J v	vrong Stock Pulled				
	$\vdash$	Cuffs			<u> </u>	Contamination	-		enance	-	Part Moved			Other	
	Heat Treat				Countersink	$\vdash$	Mislabe	:		Positioned \		$\neg$	) than		
	Inspection Strip in Tube			Tube		Cut Too Short		Misread	d		Power Loss,	/Surge	-1c	otner	

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

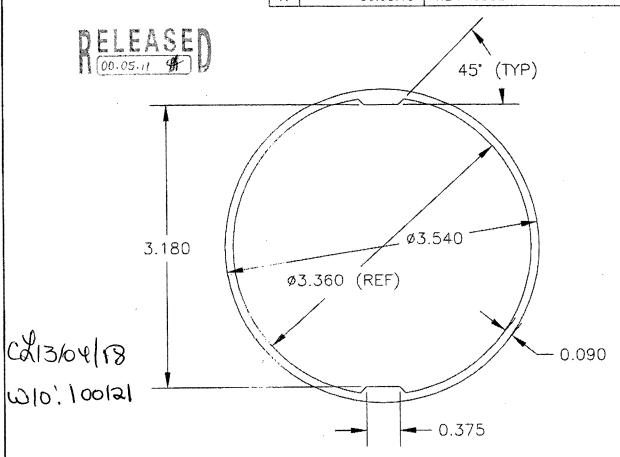
Finish

Folio





DESIGN 下汗	DRAWN BY	DART AEROSPAC		C.
CHECKED	APPROVED	DRAWING NO. D2962	SHEET	REV. A.
DATE		TITLE		SCALE
00.03.10		EXTRUSION		1:1
A	00.03.10	NEW ISSUE		



#### GENERAL NOTES

番 00.06.08

- MANUFACTURED USING JON L CANADA DIE # TBD DAA-897127 CP CA DE OB
- 2. ORDER AS D2962- XXX WHERE XXX = LENGTH IN INCHES EG. 125 LONG: D2:32: 125
- MATERIAL: 6061-T6 (1 -A-200/8)
  MINIMUM YIELD TENSIL: STRENGTH = 35 ksi MINIMUM ULTIMATE PENSILE STRENGTH = 40 ksi MINIMUM ELONGATION . 8 %

A SAMPLE FROM EA' BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPRO. TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE ABOVE MINIMUM MECHANICAL PROPERTIES.

- BREAK ALL UNMARKED SHARP CORNERS 0.016-0.025
- NO TOOLING MARK®
- TOLERANCES ARE 137 9 DART QSI 018 UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE IT INCHES.

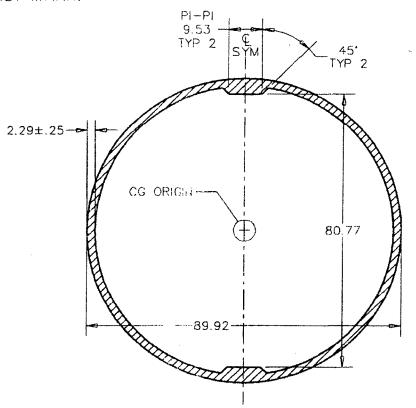
Copyright 2000 by DART AEROSPACE USA, INC.

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.

Standard Alu	minum Association tolerances appl		DIE NUMBER	REV	
CUST PART #: S-3982		PLANT	EUC	DAA 2	
CUST PART NAME:		AUR	204	DAA-3	
PROPOSAL.	REI DATE	ALLOY 6061-T6		EINIGH AE	<del></del>

DART AEROSPACE LTD. ASSUMES BURDEN OF PROOF OF BONNELL METAL IDENTIFICATION WITH NO I.D. MARK.

# ORIGINAL



LOCATION	
COPY NO.	
PRIMARY PR	ess 3
PRESS 6	ALT PRESS
CAVITIES	7
STACK SIZE	958 ×5
DIE TYPE	
HOLDER K	195
BOLSTER NO	
7-107	15×4/2
BO. LOC.	
SUB BO. NO.	SIZE
SHIM	SIZE
DIE	SIZE
FEEDER	SIZE
BACKER	SIZE
DBP	;
BA. LOC.	i
ROMI-SHAPE	
CAV. DEPTH	
CAV. CCD	1
DIE MAKER	EXCO
ORDER NU	IMBER
DATE ORI	DERED
DATE REQU	JESTED

ORDER CODE

				OKDER CODE
				☐ NEW ☐ REPLACE ☐ BACKUP ☐ REINSTATE
BER FROM DAA-3	TO DAA-897127	5/31/0	BMR	☐ REVISE ☐ REPAIR
REVISION		DATE	BY	UNIT
tural values estin	nated for refer	rence only.		☐ DIE AND FEEDER
m <sup>4</sup> 1.656 in <sup>4</sup>	Iy: .60	52 x 10 <sup>6</sup> mm <sup>4</sup>	1.454 in <sup>4</sup>	☐ DIE ONLY ☐ BACKER ONLY
m <sup>3</sup> .936 in <sup>3</sup>	Sy: 13.4	$61 \times 10^3  \text{mm}^3$	.821 m <sup>3</sup>	☐ FEEDER ONLY ☐ MANDREL ONLY
	CGy:	44.96 mm	1.770 in	BOLSTER TO SUIT
4 UNSPECIFIED WALLS:	tum	MASS:	1.	879 kg/m 1.262 th/n
	PREVISION  tural values estir  m <sup>4</sup> 1.656 in <sup>4</sup> m <sup>3</sup> .936 in <sup>3</sup> m 1.770 in  UNSPECIFIED	revision  tural values estimated for reference  1.656 in I Iy: .60  1.656 in C Iy: .60  1.770 in CGy:  UNSPECIFIED	PREVISION   DATE	REVISION DATE BY  tural values estimated for reference only.  m <sup>4</sup> 1.656 in <sup>4</sup> Iy: .6052 x 10 <sup>6</sup> mm <sup>4</sup> 1.454 in <sup>4</sup> m <sup>3</sup> .936 in <sup>3</sup> Sy: 13.461 x 10 <sup>3</sup> mm <sup>3</sup> .821 in <sup>3</sup> m 1.770 in CGy: 44.96 mm 1.770 in  A UNSPECIFIED

	100%	•	44.20
CUSTOMER:			460
Dart Aerospace Ltd.			
1270 Aberdeen St.			
Hawkesbury	ON	K6A	IK7
T XX 7-	- T T		

	THE WILLIAM L BONNELL CO
7	CAPITOL PRODUCTS CORPORATION
	BON-L-CAMPO, LP BON-L-CANADA, INC.
	Subsidiaries Of Tredegar Industries, Inc.

j	in	EST PER:	553.24	1020	21.7	81 ;	a:
UNSPECIFIED RADII:	0.41R mm	OUT PER:	282.48	(TEE)	11.1	21 ;	<b>a</b> )
	.016R in	EXP PER:		oron		i	n
DATE:	5/17/0	BUFF PER:		en m		i	n
DRAWN:	MLJ	BUFF TURNS:	C	LASS:	Holle	ow I	Ī
SCALE:	FULL	FACTOR:	294	metric	17	mperu	ı)
THM BAR:	NO	C.C.D.;	89.92	ann ,	3.5	40 i	r
P&D CODE:	NO	P&D AREA:		mm <sup>2</sup>		ŕ	r, :
 					AL 1-12		



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

#### **PURCHASE ORDER**

#### Purchase Order ID PO19621

Purchase Order Date 4/18/2013 PO Print Date 4/18/2013

Page Number 1 of 1

Order From:

VC-BON001

SIGNATURE ALUMINUM CANADA INC. C/O/ T10322C P.O. BOX 4488, STN A TORONTO, ON M5W 4H1

CA

**Contact Name** 

Vendor Phone

905-427-6550

Vendor Fax

905-427-2246

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30 CAD

Currency FOB

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN HAWKESBURY, ON K6A 1K7

**CANADA** 

F@3049

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable Ui	Req Qty/ Ship nit of Measure	Method Unit Price	Extended Price
1 D29	962-190P	Extrusion	5/6/2013 Yes	55.00 Each	\$63.0440	\$3,467.42
_						

Special Inst:

As per DWG: D2962

MAT: 6061-6T (QQ-A-200/8)

MIN. YIELD TENSILE STRENGTH= 35KSI

MIN. ULTIMATE TENSILE STRENGTH=40KSI MIN. ELONGATION =8% BON L. Tool # DAA-3 (897127)

PO Total:

\$3,467.42

Change Date: 4/18/2013

No substitution or deviation without consent.

Certificate of Conformity or Material
Certification required - YES\_\_NO\_

Change Nbr: - - 3-



ACCT# 46024

#### INVOICING AND COMPANY LOCATION

#### SHIPPING MANIFEST

#### SIGNATURE ALUMINUM CANADA 1850 CLEMENTS ROAD PICKERING ON L1W 3R8

MANIFEST DATE / DATE DU BODEREAU 04-27-13

MANIFEST NUMBER / N' DE BODEREAU

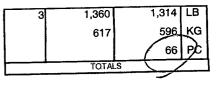
										pe	EER-TO	MAN	FEST NUMBER /	N. DE R	DEHEAU
SHIP T	O/EXPÉDIÉ À					SOLD TO / VENDUE A		Market Market and American Special Spe		THESE	NUMBERS (	ON NOE	01020	1	
1270 HAV	RT AEROSPA 0 ABERDEEN WKESBURY, NADA	IST.		7		DART AEROSPACE L 1270 ABERDEEN ST. HAWKESBURY, ON K CANADA			PP	REFERE NUMERO	Z-VOUS A ( JS POUR TO SPONDAN	CES SALE	S ORDER NUMBI 10972		E COM
	ONE: 613-632	-5200				PHONE: 613-632-5200	0	LOCATION	TRAILER NUMBER / REMORQUE Nombre	SALESMAN / VENDEUR	CREDIT RI	P/REPDUCRÉ	DIT SALES R	EP/REF ENTES	. DES
								PIC	5300	042	i		G.ATT		
	MER ID / ID DU	ORDEF	DATE	DE LA COM	CUSTO	MER PO NUMBER / CLIENT PO Nombre PO19621			JOB / FICHIER			SALES REP / REF NAL DES VENTES		RVICE F	EP/REP. NTELE
			04/46	/	BILL OF	FLADING NUMBER / NO. DE CONNAISSE 010201	EMENT	477	CARRIER / TRANSPO		G.A1	TENBORO	υ	DLB	
ITEM NO. /	46024 ORIGINAL ORI	DER	04/18 UNIT /	PREVIO		MFG. PART NUMBER /	ALLOY & TEMPER / ALLIAGE & TEMPER		RIPTION / DESCRIPTIO		NBR OF PKGS / NBR DE		NET QUANTITY	UNIT /	QUANTITY DUE / Quantité en
JUMÉRO	Quantité d'ordre Ol		UNITÉ	SHIPPED QU PRÉCÉD	IANTITY / ENT		LENGTH / LONGUEUR	FABRICATION DESC	CRIPTION /DESCRIPTION	ON DE FABRICATION	PKGS	LIVRES BRUT	QUANTITÉ		raison
				Quantité	livrée	CUSTOMER PART NUMBER / NUMÉRO DE RÉFÉRENCE DU CLIENT	CUTTING TOLERANCE / Tolérance de coupe	SHIPPING TO	LERANCE / EXPÉDITIO	N TOLERANCE			NETTE		<u> </u>
		1,100	I B	<u> </u>		DAA-3-3	6061 T6				3	1,360	1,314	LB	
001						D2962-190P 190"MILL6061T6	190.0000 IN					617	596	KG	
							t(+): 0.1180 Cut(-): 0	.0000 Mii	n: -10 % Max: 10	) %			66	PC	<u>.i </u>
		55	PC	т				T T	82	22524 / 174289	1	571	556		28 PC
				]				1	88	22524 / 174290	1	571	556		28 PC
	1		1						8	22524 / 174291	1	218	203		10 PC

Transportation/Traffic damages and/or shortage claims are to be noted on the delivery copy of sellers shipping manifests and signed and dated below

by customers authorized representatives.

No return materials will be accepted for credit without permission. The articles and/or services covered by this shipping manifest were produced in accordance with the fair labor standards act of 1938 as amended. Order accepted subject to the terms and conditions stated on the reverse side.

Page 1





#### SIGNATURE ALUMINUM CANADA

1850 CLEMENTS RD PICKERING, ON L1W 3R8

### **CERTIFICATE OF COMPLIANCE**

04/24/2013	5302427	109629	` 1
PO19538	010201	822306	04/27/13

46024 DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 CANADA 46024 DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 CANADA

						4 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
001	DAA-897105-2	190" Mill 6061 T6					D2500-1-190	
TO SERVICE	2,575 LB	3S					·	•
	2,476 LE	3S	96	PCS	A STATE OF THE STA	80 10.1 TWO MICHIGANIA		5 PKGŠ
AMS Q	QA 200/9 + ASTM I	B221-08						

Mechanical Tests:

Tensile

Yield

MPA / KSI 291.8 / (42.3) MPA / KSI

260.0

% Elongation

on Conductivity

N/A

<u>HRE</u> 91

.

Chemical Analysis:

SI FE 0.61 0.29

<u>CU</u> 0.22 <u>MN</u> 0.08 MG 0.87 <u>CR</u> 0.07

<u>ZN</u> 0.05 <u>Tl</u> 0.02

0.01

5 13/1/30

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical compositionfor the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

S. Mazzotta, Director of Quality Signature Aluminum Canada Inc



#### SIGNATURE ALUMINUM CANADA

1850 CLEMENTS RD PICKERING, ON L1W 3R8

# CERTIFICATE OF COMPLIANCE

I				
	04/26/2013	5302562	109728	1
	医子宫 全球大学 医原子 拉耳			
	PO19621	010201	822524	04/27/13
-	ageas to the state of			an indicas escapadas as que inserencia em esta en esta en esta en esta en esta en esta en esta en esta en esta La capacidad de esta esta esta en esta en esta en esta en esta en esta en esta en esta en esta en esta en esta
	46024 DART AEROS	PACE LTD.		:

46024 DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 CANADA

1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 CANADA

001 D.	AA-3-3	190" MILL 6061 T6	and the second s		D2962-190P 190"MIL	L6061T6
	1,360 L	BS				-
	-,-	.BS	66 PCS	and the State of Stat		3 PKGS
	200/9 + ASTM	1 DOO1 OO		· •		1

#### Mechanical Tests:

Tensile

Yield

MPA / KSI 295.9 / 42.9

MPA / KSI 264.9 / 38.4

% Elongation 10.0

Conductivity

HRE 91

N/A

#### Chemical Analysis:

ZN\_ CR <u>MG</u> CU <u>SI</u> 0.01 0.01 0.05 0.09 88.0 0.21 0.04 0.19 0.62

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical compositionfor the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgement form. No other warranties are applicable.

S. Mazzotta, Director of Quality Signature Aluminum Canada Inc

